

AMENDMENTS TO THE CLAIMS

1-9. (Cancelled)

10. (Previously Presented) A product comprising fullerenes chemically bonded to a surface of a bulk carbon material wherein the average fullerene concentration on the surface of the bulk carbon material is at least 87 molecules per 1000 nanometers of perimeter.

11. (Previously Presented) The product of claim **10** wherein the fullerenes are selected from the group consisting of C₅₀, C₅₈, C₆₀, C₁₃₀, and, C₁₇₆, or any combination thereof.

12. (Previously Presented) The product of claim **11** wherein the bulk carbon material comprises carbon black particles.

13. (Previously Presented) The product of claim **12** wherein the fullerenes are each chemically bonded to carbon black by a carbon atom bridged to two carbon atoms of the fullerene and two carbon atoms of a carbon black particle.

14-40. (Cancelled)

41. (Previously Presented) The product of claim **10** wherein the fullerenes are each chemically bonded to the bulk carbon material by a carbon atom bridged to two carbon atoms of the fullerene and two carbon atoms of the bulk carbon material.

42. (Previously Presented) The product of claim **10**, wherein the size of the bulk carbon material is greater than about 10 nanometers.

43. (Previously Presented) The product of claim **10**, wherein the size of the bulk carbon material is greater than about 50 nanometers.

44. (Previously Presented) The product of claim **10**, wherein the size of the bulk carbon

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material is greater than about 100 nanometers.

45. (Previously Presented) The product of claim **10**, wherein the chemically bound fullerenes are derived from functionalized fullerenes.

46. (Previously Presented) The product of claim **10**, wherein the chemically bound fullerenes are derived from dichloromethano[60]fullerene.

47-50. (Cancelled)

51. (Previously Presented) The product of claim **12**, wherein the size of the carbon black particle is greater than about 10 nanometers.

52. (Previously Presented) The product of claim **12**, wherein the size of the carbon black particle is greater than about 50 nanometers.

53. (Previously Presented) The product of claim **12**, wherein the size of the carbon black particle is greater than about 100 nanometers.

54. (Previously Presented) The product of claim **12**, wherein the chemically bound fullerenes are derived from functionalized fullerenes.

55. (Previously Presented) The product of claim **12**, wherein the chemically bound fullerenes are derived from dichloromethano[60]fullerene.

56. (Previously Presented) Fullerenic structures chemically bonded to a surface of a bulk carbon material wherein the average fullerene concentration on the surface of the bulk carbon material is at least 87 molecules per 1000 nanometers of perimeter.

57. (Previously Presented) The product of claim **56** wherein the chemically bound fullerenic structures are derived from functionalized fullerenes.

58. (Previously Presented) The product of claim **56** wherein the chemically bound fullerene structures are derived from dichloromethano[60]fullerene.